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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR.	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/516,305	12/10/2004	Vincenzo Varriale	VARR300/JEK	8641	
23364	7590 03/30/2006		EXAM	EXAMINER	
BACON & THOMAS, PLLC			SPAHN, GAY		
625 SLATER: FOURTH FLO			ART UNIT	PAPER NUMBER	
ALEXANDR	IA, VA 22314		3673		
			DATE MAILED: 03/30/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(a)	
	Application No.	Applicant(s)	
Office Action Summary	10/516,305	VARRIALE, VINCENZO	
onice Action Gammary	Examiner	Art Unit	
	Gay Ann Spahn	3673	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by standard patent term adjustment. See 37 CFR 1.704(b).	C DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a riod will apply and will expire SIX (6) MOI atute, cause the application to become A	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 1/2 2a) This action is FINAL . 2b) 1 3) Since this application is in condition for allo closed in accordance with the practice under	This action is non-final. wance except for formal mat	•	
Disposition of Claims			
4) ⊠ Claim(s) 31-63 is/are pending in the applica 4a) Of the above claim(s) is/are without 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 31-63 are subject to restriction and	drawn from consideration.		
Application Papers			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	accepted or b) objected to the drawing(s) be held in abeyangection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s)	:		
1) Notice of References Cited (PTO-892)		Summary (PTO-413) s)/Mail Date	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 		nformal Patent Application (PTO-152)	

DETAILED ACTION

Election/Restrictions - Election of Species Requirement

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

The FIRST GROUP OF SPECIES (i.e., species of seal faces) from which Applicant must elect is:

Group I, Species I - Fig. 1a;

Group I, Species II - Fig. 1b;

Group I, Species III - Fig. 1c;

OR

Group I, Species IV - Fig. 9.

If Applicant elects any of Species I, II, or III from the FIRST GROUP OF SPECIES listed immediately above, then Applicant must also elect from the following group of Subspecies (I.e., species of cylindrical seal):

Subspecies I - Fig. 3 (1st embodiment of cylindrical seal);

OR

Subspecies II - Fig. 6 (2 embodiment of cylindrical seal).

Art Unit: 3673

The SECOND GROUP OF SPECIES (i.e., species of deformation step of obtaining

corrugated profile) from which Applicant must elect is:

Group II, Species I - pot die forming;

OR

Group II, Species II - roll forming.

The THIRD GROUP OF SPECIES (i.e., species of step of obtaining channels) from which Applicant must elect is:

Group III, Species I - mechanical deformation;

Group III, Species II - laser technology;

Group III, Species III - chemical corrosion;

Group III, Species IV - deposition of material;

OR

Group III, Species V - application of spacers.

The FOURTH GROUP OF SPECIES (i.e., species of channel cross-sectional shape) from which Applicant must elect is:

Group IV, Species I - circular;

Group IV, Species II - rectangular;

OR

Group IV, Species III - triangular.

Art Unit: 3673

Applicant is required, in reply to this action, to elect a single species FROM EACH OF THE FOUR (4) GROUPS OF SPECIES (and from the one group of subspecies depending upon the election made with respect to the first group of species) to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species OF EACH OF THE FOUR (4) GROUPS OF SPECIES (and from the one group of subspecies, if appropriate depending upon the election made with respect to the first group of species), including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner:

The FIRST GROUP OF SPECIES (i.e., species of seal faces)

Group I, Species I (Fig. 1a): claims 33-38, 49-52, and 58-60

Group I, Species II (Fig. 1b): claims 33-38, 49-52, and 58-60

Group I, Species III (Fig. 1c): claims 33-38, 49-52, and 58-60

Group I, Species IV (Fig. 9): claims 39-42 and 53-56

Art Unit: 3673

The SUBSPECIES (i.e., species of cylindrical seal)

Subspecies I (Fig. 3): claims 35-38, 49-52, 58-60

Subspecies II (Fig. 6): claims 35-38, 49-52, 58-60

The SECOND GROUP OF SPECIES (i.e., species of obtaining corrugations)

Page 5

Group II, Species I (pot die forming): claim 42

Group II, Species II (roll forming): claim 42

The THIRD GROUP OF SPECIES (i.e., species of obtaining channels)

Group III, Species I (mechanical deformation): claim 43

Group III, Species II (laser technology): claim 43

Group III, Species III (chemical corrosion): claim 43

Group III, Species IV (deposition of material): claim 43

Group III, Species V (application of spacers): claim 43

The FOURTH GROUP OF SPECIES (i.e., species of channel cross-section)

Group IV, Species I (circular): claim 44

Group IV, Species II (rectangular): claim 44

Group IV, Species III (triangular): claim 44

The following claims appear to be generic: 31, 32, 43-45, 46, 48, and 61-63.

Art Unit: 3673

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:

The FIRST GROUP OF SPECIES (i.e., species of seal faces)

Group I, Species I (Fig. 1a): rectangular sheet having parallel channels Group I, Species II (Fig. 1b): rectangular sheet having serpentine channel Group I, Species III (Fig. 1c): rectangular sheet having grid channels Group I, Species IV (Fig. 9): disc-shaped sheet having radial channels

The SUBECIES (i.e., species of cylindrical seal)

Subspecies I (Fig. 3): cylindrical seal w/ inner & outer cylindrical bodies Subspecies II (Fig. 6): cylindrical seal w/ inner, intermediate & outer cylindrical bodies

The SECOND GROUP OF SPECIES (i.e., species of obtaining corrugations)
Group III, Species I (pot die forming) and Species II (roll forming) are mutually exclusive deformation steps of obtaining corrugated profiles.

The THIRD GROUP OF SPECIES (i.e., species of obtaining channels)
Group IV, Species I (mechanical deformation), Species II (laser technology),
Species III (chemical corrosion), Species IV (deposition of material), and Species V
(application of spacers) are mutually exclusive steps of obtaining channels.

The FOURTH GROUP OF SPECIES (i.e., species of channel cross-section)
Group VI, Species I (circular), Species II (rectangular), and Species III
(triangular) are mutually exclusive channel shapes.

A telephone call to request an oral election to the above restriction requirement and election of species requirements was not made due to the complexity of the election.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the

Art Unit: 3673

requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gay Ann Spahn whose telephone number is (571)-272-7731. The examiner can normally be reached on Monday through Thursday, 8:30 am to 7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia L. Engle can be reached on (571)-272-6660. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Application/Control Number: 10/516,305 Page 8

Art Unit: 3673

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gay Ann Spahn, Patent Examiner March 28, 2006

uzanne Dino Barrett